

CROSSWALK BETWEEN NSF FIELDS OF SCIENCE & ENGINEERING AND THE NATIONAL CENTER FOR EDUCATION STATISTICS (NCES) CLASSIFICATION OF INSTRUCTIONAL PROGRAMS

The left-hand column shows each of the detailed fields as displayed on the questionnaire form. The right-hand column shows the NCES fields that are included within the NSF category as well as some additional illustrative disciplines. These additional disciplines are intended to be guidelines—not sharp definitions—as to what should be reported under a particular field.

Questionnaire Field	NCES Classification and Additional Illustrative Disciplines					
a. ENGINEERING						
(1) Aeronautical & Astronautical	14.02 Aerospace, Aeronautical, and Astronautical Engineering (also aerodynamics, space technology)					
(2) Bioengineering/ Biomedical Engineering	14.05 Bioengineering and Biomedical Engineering					
(3) Chemical	03.0509 Wood Science (also petroleum refining process) 14.07 Chemical Engineering 14.25 Petroleum Engineering 14.32 Polymer/Plastics Engineering					
(4) Civil	04.02 Architecture 14.04 Architectural Engineering 14.08 Civil Engineering 14.14 Environmental/Environmental Health Engineering (also geotechnical, hydraulic, hydrologic, sanitary and environmental, structural, transportation)					
(5) Electrical	14.09 Computer Engineering (also power engineering) 14.10 Electrical, Electronics, and Communications Engineering					
(6) Mechanical	14.11 Engineering Mechanics 14.19 Mechanical Engineering					
(7) Metallurgical & Materials	14.06 Ceramic Sciences and Eng. 14.15 Geological Engineering 14.16 Geophysical Engineering 14.18 Materials Engineering 14.20 Metallurgical Engineering 14.21 Mining and Mineral Eng. 14.28 Textile Sciences and Eng. 14.31 Materials Science 40.0701 Metallurgy (also welding)					
(8) Other	14.01 Engineering, General 14.03 Agricultural Engineering 14.12 Engineering Physics 14.13 Engineering Science 14.17 Industrial/Manufacturing Eng. 14.22 Naval Architecture and 14.23 Nuclear Engineering 14.24 Ocean Engineering Marine Engineering 14.27 Systems Engineering 14.29 Engineering Design 14.30 Eng./Industrial Management 14.99 Engineering, Other 30.06 Systems Science and Theory (also marine and ocean engineering systems)					
b. PHYSICAL SCIENCES						
(1) Astronomy	40.02 Astronomy 40.03 Astrophysics (also Gamma-ray, neutrino, optical and radio, X-ray)					
(2) Chemistry	40.05 Chemistry (also analytical, inorganic, organic, organo-metallic, pharmaceutical, physical, polymer sciences (except biochemistry))					
(3) Physics	40.08 Physics (also acoustics, atomic/molecular, chemical, condensed matter, elementary particles, nuclear structure, optics, plasma, theoretical/mathematical)					
(4) Other	40.01 Physical Sciences, General 40.0799 Miscellaneous Physical Sciences, Other 40.99 Physical Sciences, Other (used for multidisciplinary projects within physical sciences and for disciplines not requested separately)					
c. ENVIRONMENTAL SCIENCES (Earth, Atmospheric, & Ocean)						
(1) Atmospheric	40.04 Atmospheric Sciences and Meteorology (also aeronomy, extraterrestrial atmospheres, solar, weather modification)					
(2) Earth Sciences	15.1102 Surveying 40.06 Geological and Related Sciences 40.0703 Earth & Planetary Sciences 45.0702 Cartography (also engineering geophysics, general geology, geodesy and gravity, geomagnetism, hydrology, inorganic, isotopic, lab geophysics, organic geochemistry, paleomagnetism, paleontology, physical geography, seismology)					
(3) Oceanography	26.0607 Marine/Aquatic Biology 40.0702 Oceanography (also biological, chemical, geological, physical)					
(4) Other	(used for multidisciplinary projects within Earth, Atmospheric, and Ocean Sciences)					
d. MATHEMATICAL SCIENCES	27.01 Mathematics, General 27.03 Applied Mathematics 27.0302 Operations Research 27.05 Mathematical Statistics 27.99 Mathematics, Other 30.08 Math./Computer Sciences (also algebra, analysis, foundations and logic, geometry, numerical analysis, topology)					